



Minnesota Ag News – Crop Weather

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COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN, MN

UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, USDA-NRCS, and Local FACs

WIDESPREAD RAINS AND COOL DAYS

Heavy rains and cool temperatures prevailed throughout the state, according to the USDA, NASS, Minnesota Field Office. As of June 13, precipitation was .80 inch above normal statewide. Severe thunderstorms on June 10-11 produced some of the largest precipitation levels of the year, saturating soils and causing standing water in some low areas. Statewide 2.5 days were rated suitable for fieldwork.

Topsoil moisture supplies were rated 98 percent adequate to surplus compared to 87 percent in the previous reporting period. Despite wet conditions the first half of the month, crop condition ratings remained above 90 percent good to excellent for most crops. Corn was rated 94 percent good to excellent, up from 92 percent in the previous reporting period, with an average height of 13 inches. Soybeans were rated 92 percent good to excellent, compared to 93 percent in the previous reporting period, with an average height of 4 inches.

Crop progress for small grains remained ahead of average. Spring wheat and barley were both 80 percent jointing and 20 and 23 percent heading, respectively. Oats were 87 percent jointing and 36 percent heading. Spring wheat and oats were both rated 91 percent good to excellent, and barley was rated 90 percent good to excellent.

Sweet corn was 83 percent planted compared to 85 percent last year and 80 percent for the five-year average. Dry beans were 93 percent planted, 5 percentage points behind last year and 1 point behind average. Canola was rated 77 percent in fair to good condition.

Seventy-five percent of the first cutting of alfalfa was complete, and 87 percent of alfalfa was rated in good to excellent condition compared to 89 percent during the previous reporting period. Pasture condition was rated 1 percent poor, 17 percent fair, 59 percent good, and 23 percent excellent.

The following links provide further weather-related information and maps for Minnesota:

Minnesota Climatology Working Group provides statewide precipitation maps for the previous week:
<http://climate.umn.edu/doc/weekmap.asp>

National Weather Service's Minnesota Data:
<http://www.nws.noaa.gov/view/states.php?state=MN>

U.S. Drought Monitor:
<http://drought.unl.edu/dm/monitor.html>

Days Suitable for Fieldwork: 2.5

	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	0	2	75	23

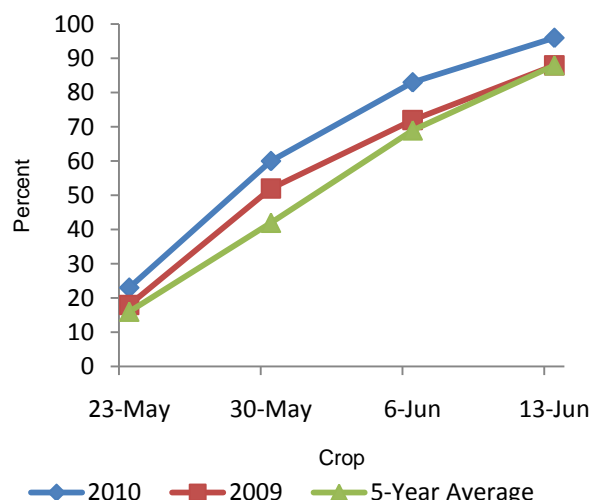
Crop Progress as of June 13, 2010

Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Height	13	8	9	10
Soybeans	Emerged	96	83	88	88
Soybeans	Height	4	3	3	3
Spring Wheat	Jointing	80	59	18	33
Spring Wheat	Heading	20	2	0	4
Barley	Jointing	80	60	13	34
Barley	Heading	23	8	0	4
Oats	Jointing	87	71	40	50
Oats	Heading	36	11	3	8
Dry Beans	Planted	93	86	97	94
Sweet Corn	Planted	83	74	85	80
Alfalfa	First Cutting	75	68	68	54

Condition as of June 13, 2010

	Very Poor	Poor	Fair	Good	Exc
----- Percent -----					
Pasture	0	1	17	59	23
Oats	0	0	9	71	20
Spring Wheat	1	1	7	60	31
Barley	1	1	8	52	38
Sugarbeets	0	0	6	74	20
Corn	0	0	6	62	32
Alfalfa	0	1	12	65	22
Potatoes	0	0	6	75	19
Soybeans	0	1	7	65	27
Canola	0	19	37	40	4
Green Peas	0	0	4	64	32
Sunflowers	0	1	10	77	12

Soybeans Emerged



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING June 13, 2010:
Temperatures averaged from 4.7 degrees below normal in the North Central, East Central Districts to 1.3 degrees below normal in the Southwest District. Extremes: 38 degrees in International Falls; 85 degrees in Preston. Average precipitation ranged from 0.07 inch above normal in the Northwest District to 2.19 inches above normal in the Southwest District. Greatest weekly total of 4.30 inches was recorded in Willmar.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website; <http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 6/7/2010 through 6/13/2010

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	Four Weeks	From Norm Since 4/1	Since April 23	Depart from Norm
<u>NW DIST 1</u>										
Crookston	77	46	60.4	-3.9	.76	-.06	2.11	2.74	545	16
Itasca	M	M	M	M	M	M	-1.95m	-.93m	399m	-6m
Moorhead	81	49	63.0	-1.9	.65	-.18	-1.60	-.36	582	26
Warroad	71	47	55.8	-6.0	1.33	.46	3.47	4.14	420	-6
<u>NC DIST 2</u>										
Grand Rapids	74	44	56.3	-5.5	1.21	.16	-1.04	-1.09	488	37
Intl. Falls	73	38	56.7	-3.9	1.22	.29	.46	.63	442	20
<u>NE DIST 3</u>										
Duluth	69	41	55.2	-3.4	1.88	.90	3.48	2.61	390	33
Grand Marais	70	42	52.5	.5	1.75	.96	-.09	-.26	180	-27
Hibbing	72	40	55.3	-4.6	1.39	.42	-.52	-.29	478	81
<u>WC DIST 4</u>										
Alexandria	76	52	62.0	-1.9	1.29	.24	-1.49	-1.63	529	9
Browns Valley	79	48	64.0	-1.8	1.28	.53	-.26	-.03	529	-59
Canby	79	50	64.4	-2.9	3.46	2.50	1.32	.11	585	-34
Dalton	81	53	64.0	-.6	.74	-.14	-1.87	-1.44	546	1
Montevideo	77	52	63.0	-3.5	2.45	1.44	.51	-.62	564	-25
Morris	78	49	63.2	-2.6	1.67	.76	-.60	-.45	545	-35
Wheaton	77	54	64.5	-1.4	1.09	.20	-.88	-.84	546	-21
<u>CENT DIST 5</u>										
Becker	73	51	62.3	-2.3	2.35	1.29	-.34	-.24	567	19
Collegeville	77	53	62.2	-4.1	2.14	1.02	-.95	-.75	604	-10
Hutchinson	78	54	63.7	-3.1	1.98	.92	-.41	3.00	605	-5
Melrose	75	44	61.0	-4.6	1.58	.56	-1.58	-1.30	535	-24
Olivia	77	52	62.8	-3.8	2.86	1.80	.35	-.29	574	-23
St. Cloud	76	50	61.3	-2.6	1.64	.55	-.86	-.91	570	46
Staples	73	48	60.1	-1.9	.98	-.02	-.68	-.88	504	30
Wadena	74	49	59.0	-3.3	1.16	.16	-1.17	-.95	463	-8
Willmar	79	52	63.5	-2.7	4.30	3.06	.82	2.78	588	1
<u>EC DIST 6</u>										
Aitkin	76	42	57.5	-3.7	1.04	.06	-1.12	-.09	487	54
Forest Lake	77	51	60.5	-5.0	2.23	1.16	-.15	.56	606	34
Hinckley	72	42	55.7	-6.2	2.78	1.80	.45	1.32	471	25
MSP Airport	76	54	63.9	-3.3	1.79	.77	-.33	.22	666	40
St. Paul - UofM	74	51	61.6	-5.1	1.93	.76	-.82	-1.41	597	-14
<u>SW DIST 7</u>										
Lamberton	82	52	66.6	-1.0	2.56	1.65	.06	.03	632	6
Marshall	82	55	65.8	-1.7	2.80	1.93	.60	.20	638	17
Pipestone	80	49	63.9	-2.0	3.28	2.35	1.49	2.46	555	-21
Redwood Falls	80	53	65.2	-3.3	3.73	2.77	1.59	1.47	647	-22
Worthington	80	56	66.2	.4	3.04	1.94	.66	.82	591	31
<u>SC DIST 8</u>										
Faribault	78	51	63.6	-2.5	1.92	.94	.84	-.36	622	54
Mankato	77	51	64.2	-2.8	2.54	1.21	-.43	-1.35	613	4
Waseca	76	52	64.1	-2.7	1.86	.89	.39	-.95	638	35
Winnebago	78	53	66.0	-1.5	2.13	1.04	.59	-.80	649	25
<u>SE DIST 9</u>										
Preston	85	47	65.2	-.0	1.34	.28	-.88	.10	637	100
Red Wing	81	53	64.2	-2.2	2.27	1.34	1.40	.30	631	34
Rochester	82	52	64.5	-.5	1.21	.30	-.77	-2.22	625	84
Rosemount	76	52	62.6	-3.3	1.71	.64	.18	-.27	600	33
Winona	83	54	64.4	-2.6	.88	-.01	-1.11	-1.64	605	0

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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